

Immunohistochemical Analysis of Epigenetic Markers in Cervical Pathologies Associated with Human Papillomavirus Infection

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Abstract

© 2016, Springer Science+Business Media New York. In this work, we studied molecular-biological factors leading to cervical cancer. The clinicopathologic characteristics and immunohistochemical features of 185 patients with cervical pathologies associated with human papillomavirus infection were examined. Immunohistochemical features analyzed included histone deacetylases (HDAC1, HDAC2) and DNA methyltransferases (DNMT1, DNMT2). Strong correlations of these factors with cervical pathologies including malignancies were identified.

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Keywords

Cervical cancer, Cervical intraepithelial neoplasia, DNMT, HDAC, Human papillomavirus, Predictive markers

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